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NPIC/TSG/RED-67-71
4 June 1971

MEMORANDUM FOR: Chief, Engineering Support Division, TSG

SUBJECT : Investigation of Vulnerability of NPIC Equipment to Vibration

1. The recent support provided by ESD, in locating a vibration problem during the installation of the High Precision Stereo Comparator (HPSC), has been very helpful to RED and [redacted] The success of this investigation leads RED to believe that a complete vibration analysis of the HPSC and the Clean Room Site, in an operational mode, would be most advantageous to NPIC. 25X1

2. Although maximum precautions have been taken in the fabrication of the HPSC and the Clean Room Site to reduce the effects of vibration; complete vibration dampening is impossible. A thorough vibration investigation of the HPSC/Clean Room System would help to determine the accuracies and/or limitations of the HPSC as a mensuration instrument.

3. The present schedule calls for the HPSC installation to be completed in July and for the ESD acceptance testing to start during the latter part of July. It is requested that a vibration investigation, similar to the work being carried out on other NPIC equipment under contract [redacted] be performed on the HPSC/Clean Room System during the ESD test period. 25X1

[redacted] 25X1
Acting Chief
Research & Engineering Division, TSG, NPIC

Distribution:
Original - Addressee
1 - DC/RED
1 - RED Chrono
NPIC/TSG/RED [redacted] (4 June 71) 25X1

Declass Review by NIMA/DOD

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